

# IdeaPad Gaming 3 16ARH7

Lenovo

**PSREF**  
Product Specifications  
Reference

## PERFORMANCE

### Processor

AMD Ryzen™ 7 6800H (8C / 16T, 3.2 / 4.7GHz, 4MB L2 / 16MB L3)

### Graphics

NVIDIA® GeForce RTX™ 3050 Ti 4GB GDDR6, Boost Clock 1695MHz, TGP 85W

### Chipset

AMD SoC Platform

### Memory

2x 8GB SO-DIMM DDR5-4800

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Max Memory

Up to 16GB DDR5-4800 offering

### Storage

512GB SSD M.2 2242 PCIe® 4.0x4 NVMe®

### Storage Support

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 1TB
- M.2 2280 SSD up to 1TB

### Storage Slot

Two M.2 slots

- One M.2 2242 PCIe 4.0 x4 slot
- One M.2 2280 PCIe 4.0 x4 slot

### Card Reader

None

### Optical

None

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Nahimic Audio

### Camera

FHD 1080p with Privacy Shutter

### Microphone

2x, Array

### Battery

Integrated 71Wh

### Max Battery Life

MobileMark® 2018: 10.3 hr

Local video (1080p) playback@150nits: 17.7 hr

### Power Adapter

135W Slim Tip (3-pin)

## DESIGN

### Display

16" WUXGA (1920x1200) IPS 350nits Anti-glare, 100% sRGB, 165Hz, FreeSync™

### Touchscreen

None

### Keyboard

White Backlit, Spanish (LA)

### Case Color

Onyx Grey

### Surface Treatment

Painting

### Case Material

PC-ABS (Top), PC-ABS (Bottom)

### Dimensions (WxDxH)

359.6 x 277.8 x 20.9 mm (14.16 x 10.94 x 0.82 inches)

### Weight

Around 2.5 kg (5.5 lbs)

## SOFTWARE

### Operating System

Windows® 11 Home Single Language, Spanish

### Bundled Software

Office Trial

## CONNECTIVITY

### Ethernet

100/1000M (RJ-45)

### WLAN + Bluetooth®

Wi-Fi® 6, 11ax 2x2 + BT5.1

### Standard Ports

- 1x Headphone / microphone combo jack (3.5mm)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 2x USB 3.2 Gen 1
- 1x Power connector
- 1x HDMI® 2.0
- 1x Ethernet (RJ-45)

## SECURITY & PRIVACY

### Security Chip

Firmware TPM 2.0

### Fingerprint Reader

None

### Other Security

Camera privacy shutter

## SERVICE

### Base Warranty

1-year, Courier or Carry-in

### Included Upgrade

None

## ACCESSORIES

### Bundled Accessories

Lenovo® IdeaPad® Gaming M100 RGB Mouse

## CERTIFICATIONS

### Green Certifications

- RoHS compliant
- ErP Lot 3

## MODEL

TopSeller : No

Announce Date : 2022-08-19

EAN / UPC / JAN : 196802827690

End of Support : 2028-06-13



AMD

## Premium Care - Advanced Support from Real People. Real Fast.



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Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

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## Warranty Extensions & Upgrades – Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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## Recommended Accessories



### ThinkPad UltraSlim USB DVD Burner

4XA0E97775

ThinkPad UltraSlim USB DVD Burner -- is a small form factor external portable DVD and CD recordable drive that can be attached to Notebooks with USB2.0 port or USB3.0 port. With 9.5mm UltraSlim engine, 20% slimmer tha...



### ThinkPad Hybrid USB-C with USB-A Dock (American Standard Plug Type B)

40AF0135US

The ThinkPad Hybrid USB-C with USB-A Dock expands the capabilities of most any laptop, new or old, making it perfect for enterprise customers with mixed-PC or shared-desk environments. Featuring enterprise-class manag...

For a full list of accessories and services, please visit:  
<https://smartfind.Lenovo.com>

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